

Page 3, line 23, change "dispatching" to —dispassion—

Page 3, lines 23-24, change "expansion board" to -- add-on expansion daughter cards—

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### **DESCRIPTION-Preferred Embodiment**

Page 5, line 23, change "instance" to —example—

### **Conclusion, Ramifications, and Scope**

Page 6, line 3, change "housing solutions" to —apparatuses--

10 Page 6, lines 3-5, change "With the PCB ... into smaller space" to -- The computer system board and its complete shield expansion apparatuses of current invention has a compact size and can be easily fit into small application environment—

Page 6, lines 5-7 change "With the shield ... good heat dissipation" to -- The complete shield expansion apparatuses of current invention enable many system hardware expansions by eliminating EMI and providing good heat dispassion for the add-on expansion daughter cards—

Page 6, line 18, change "zones" to —apparatuses--

Page 6, line 19, change "zones" to —apparatuses—

20 Page 6, line 20, change "zone" to —apparatus—

Page 6, line 24, change "housing solution" to —apparatus—

### **Claims:**

25 7-10 (canceled)

11(new). A complete EMI shield expansion housing apparatuses for add-on expansion daughter board for computer system board comprising:

an on computer system board PCB shield zone, and  
a metallic expansion housing cover, and  
an add-on expansion daughter board,  
whereby, after the said add-on expansion daughter board is mounted onto  
5 the said on computer system board PCB shield zone, the said metallic  
expansion housing cover is soldered onto the said on computer system  
board PCB shield zone covering the said add-on expansion daughter  
board.

12(new). The on computer system board PCB shield zone of claim 11 is a  
10 copper clad ground plane PCB area fabricated on computer system  
board PCB as part of the computer system board PCB with solderable  
surrounding zone where the said metallic expansion housing cover of  
claim 11 can be soldered on to.

13(new). The on computer system board PCB shield zone of claim 11  
15 installed with at least one connector for installing of said add-on  
expansion daughter board of claim 11.

14(new). The said connector/s of claim 13 is soldered on computer  
system board inside of the said the on computer system board PCB  
shield zone of claim 11.

20 15(new). The said connector/s of claim 13 is providing mechanical  
support for attaching the said add-on expansion daughter board of  
claim 11 onto the computer system board with necessary help of other  
mounting means.

16(new). The said add-on expansion daughter card of claim 11 has  
25 connector means for attaching to the corresponding said connector/s  
of claim 13.

17(new). The said add-on expansion daughter card of claim 11 is attached  
to the computer system board via the corresponding said connector of

claim 13 within the on computer system board PCB shield zone of claim 11.

18(new). The metallic expansion housing cover of claim 11 is a metallic cover box with an open base that can be soldered onto the 5 corresponding solderable surrounding zone of claim 12.

20(new). metallic expansion housing cover of claim 11 soldered onto said on PCB shield zone of claim 11 form a complete metallic shield apparatus for the add-on expansion daughter card and other electronics inside the apparatus.

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21(new). A complete EMI shield and heat conduction expansion housing apparatus for add-on expansion daughter board for computer system board comprising:

a said complete EMI shield expansion housing apparatuses of claim 11  
15 a plurality of heat conduction means

22(new). The said heat conduction means of claim 21 are attached between the add-on expansion daughter board of claim 11 and the metallic expansion housing cover of claim 11.

23(new). The said apparatus of claim 21 utilizing the said metallic expansion housing cover of claim 11 as heat sink for the heat that 20 generated inside the apparatus of claim 11 and conducted to it by the heat conduction means of claim 21.

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24(new). A computer system board with a plurality of complete EMI shield 25 expansion housing apparatuses for add-on expansion daughter boards comprising:

a plurality of said complete EMI shield expansion housing apparatuses of claim 11 and/or said complete EMI shield with heat conduction expansion housing apparatuses of claim 18